#### Addendum No. 2 Main Pump Building HVAC Upgrades Capital Project No. 2002

This Addendum No. 2, dated January 13, 2020, to the Invitation to Bid: Main Pump Building HVAC Upgrades, Capital Project No. 2002, bid opening January 16, 2020 at 1:00 pm, supersedes all contrary and conflicting information in the above-mentioned instructions, specifications, and contract documents which are hereby supplemented or revised in certain particulars as follows:

#### **AD2-1 General Information**

The District submits this Addendum to provide new information and to change existing information for potential respondents.

#### AD2-2 Section 07 54 23 Thermoplastic Polyolefin Roofing

Paragraph 2.2.B, following "facers both sides." Insert "Compressive strength per ASTM C1289 Grade 3 (25 psi)."

#### AD2-3 Section 23 09 93 Sequence Of Operations For HVAC

Item 1 of 3, paragraph 1.3.D.2, delete the wording "and return air damper in space". Item 2 of 3, paragraph 1.3.D.2.a, delete the wording ", return air damper shall be closed". Item 3 of 3, paragraph 1.3.D.2.b, delete this paragraph in its entirety.

#### AD2-4 Section 23 10 10 Monitoring And Control System For HVAC

Insert the following paragraph 2.2.A and relabel the other 3 paragraphs (A. to B., B. to C., and C. to D.):

"A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- 1. Tridium Inc (JACE).
- 2. Schneider Electric USA, Inc.
- 3. Distech Controls."

#### AD2-5 Section 26 28 16 Enclosed Switches And Circuit Breakers

Item 1 of 3, paragraph 2.4.A.1, delete this item and replace with the following: "1. Westinghouse (F2100 – Five Star MCC)."

Item 2 of 3, paragraph 2.4.B, delete this paragraph in its entirety and replace with the following:

"B. Type Series 2100:

- 1. (4) Single throw breakers.
- 2. Three pole.
- 3. 480-V ac.

4. (2) 15A FSF1A12 and (2) 30A FSF1D12 Frames, LSI Adjustable Trip Settings.

5. 65 Kaic Rated.

6. 12" High x 20" Wide/Size 2 (Verify in Field), Provide (1) 12" High Blank Door.

- 7. UL 98 and NEMA KS 1, HACR rated.
- 8. Lockable handle with capability to accept padlocks, and interlocked with cover in closed position."

Item 3 of 3, paragraph 3.4.A, delete this sentence and replace with the following "The Owner will not provide testing services; testing shall be performed and documented by the Contractor's provided testing agency per the paragraphs below."

#### AD2-6 Sheet M4

Item 1 of 2, Removal Note 2, delete this note and replace with the following: "2. Refer to Sheet E4 for associated work."

Item 2 of 2, Removal Note 7, add the following to the end of the second sentence: ", where the new fixture does not cover the entire wall opening".

#### AD2-7 Sheet M7

Replace this drawing with the attached revised M7. The revisions include removal of Key Note 2 and elimination of the 16 x 60 return duct to floor above.

#### AD2-8 Sheet M8

Replace this drawing with the attached revised M8. The revisions include elimination of the  $16 \ge 60$  motorized damper and return duct from floor below.

#### AD2-9 Sheet M12

Replace this drawing with the attached revised M12. The revisions include elimination of the 16 x 60 motorized damper, elimination of the return duct from Pump Room to Motor Room, and elimination of Key Notes 2, 3, and 4.

#### AD2-10 Sheet E1

Replace this drawing with the attached revised E1. The revisions include addition of two symbols to the Fire Alarm System Symbols and update of the LP-14A Panel Schedule.

#### AD2-11 Sheet E2

Replace this drawing with the attached revised E2. The revisions include demolition of six receptacles, conduit, and wiring in the Pump Room.

#### AD2-12 Sheet E3

Replace this drawing with the attached revised E3. The revisions include demolition of six receptacles, conduit, and wiring in the Motor Room.

#### AD2-13 Sheet E4

Removal Note 2, delete this note and replace with the following: "The CO detector and control panel were previously removed and new will be installed elsewhere; remove remaining conduit and wiring through floor and into the Lower Screen Room. Cap or plug the conduit at the first device or wall penetration. Patch the 3 resulting conduit holes in the Loading Area floor beneath the removed panel location, using approved non-shrink grout."

#### AD2-14 Sheet E7

Replace this drawing with the attached revised E7. The revisions include installation of six receptacles, conduit, and wiring in the Pump Room.

#### AD2-15 Sheet E8

Replace this drawing with the attached revised E8. The revisions include installation of six receptacles, conduit, and wiring in the Motor Room.

#### AD2-16 Sheet E9

Item 1 of 3, Key Note 7, delete this note and replace with the following: "Provide 15 HP F2100 MCC, HMCP Combination size 2 FVNR Motor Starter/Control Buckets for E1 and E2. Eaton Model Freedom/F2100, Part Number FZ206EEASC12P15O28S22. Include with CPT, Red 'Run' Push-to-Test Light, Modbus Communication Module Kit - 120V AC I/O, 2NO-2NC Starter Aux Contacts, and Power Xpert Insight Gateway to provide BACNet connection to MCS."

Item 2 of 3, Key Note 12, at the end of this note insert: "For S-2 provide 120 volt relay and connect start/stop contacts to MCS."

Item 3 of 3, insert the following Key Note: "13. Each new MCC bucket shall include a new cover to match the new breaker and the existing MCC."

This information shall be taken into consideration by bidders when preparing the bid. Bidders shall acknowledge all project addenda on Proposal Form. This addendum and attachments will be emailed to all plan holders as well as posted on the District's website at <u>www.rrwrd.dst.il.us</u>.

#### END OF ADDENDUM NO. 2

Issued January 13, 2020

#### **Rock River Water Reclamation District**

Christopher T. Baer, P.E. Director of Engineering

PRESEN	T EQUIPMENT AND DEMOLITION NOTES		ELECTRICAL SYMBOLS
A. WORK SH THE PRE B. REMOVEL C. ANY OF A BECOME 1. EQUIPM D. FOLLOWI IS PRACT BUILDING 1. EQUIPM E. CONTRAC 1. PROVID 2. REPAIF CONST 3. CAP CH ADJAC 4. CUT OF A. HIS M B. ADM C. REM D. NEW 5. PATCH PRESE	IALL BE COORDINATED SO THAT HEATING, PLUMBING, AND ELECTRICAL SERVICES TO SENT BUILDING WILL NOT BE INTERRUPTED, EXCEPT AS APPROVED BY RRWRD OPERATIONS. D PIPE MUST NOT BE REUSED. REMOVED WIRE SHALL BE REMOVED FROM THE SITE BY CONTRACTOR (PX). ABOVE EQUIPMENT WHICH IS NOT REUSED AND FOLLOWING REMOVED PRESENT EQUIPMENT SHALL PROPERTY OF CONTRACTOR, AND SHALL BE REMOVED FROM PREMISES BY HIM (PX). MENT SO DESIGNATED ON DRAWINGS. ING PRESENT EQUIPMENT SHALL BE CAREFULLY REMOVED, INTACT, MATCH MARKED, INSOFAR AS TICAL, SHALL REMAIN PROPERTY OF OWNER, AND SHALL BE DELIVERED TO OWNER OUTSIDE OF G IF INDICATED OR AS DIRECTED BY RRWRD OPERATIONS (PX-DO). MENT SO DESIGNATED ON DRAWINGS. CTOR SHALL: DE NEW FLOORS UNDER REMOVED PRESENT EQUIPMENT AND WHERE CALLED FOR R FLOORS UNDER REMOVED PRESENT EQUIPMENT AND WHERE CALLED FOR R FLOORS UNDER REMOVED PRESENT TO REMOVED EQUIPMENT, TO MATCH ADJACENT FUCTION. HASES WHICH ARE NO LONGER REQUIRED AND NEATLY PATCH TO MATCH ENT CONSTRUCTION. PENINGS REQUIRED FOR:	[ H N 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	SURFACE OR PENDANT LED FIXTURE GROUNDED DUPLEX RECEPTACLE OUTLET WITH FINAL CONNECTIONS T FURNISHED BY OTHERS (FBO). PROV SAFETY SWITCH, WIRING ETC. FOR C VERIFY EXACT LOCATION AND HEIGH WALL JUNCTION BOX WITH FLUSH CO TEMPERATURE PROBE EQUIPMENT MOTOR SAFETY SWITCH (F=FUSED) CONTROLLER MOTOR STARTER (VFD=VARIBLE FRE SURFACE ELECTRICAL PANELBOARD TRANSFORMER CONDUIT RUN CONCEALED (OR PAR CONCEALED) IN CEILINGS OR WALLS CONDUIT RUN CONCEALED IN OR UN CONDUIT RUN EXPOSED, IN STRAIGH
REMO\	/ED, DISTURBED OR MARRED, AS REQUIRED, TO RESTORE IT TO ORIGINAL CONDITION BEFORE DISTURBED.		HOMERUN TO PANEL, IN CONDUIT, C ARROWS INDICATE NUMBER OF CIRC
G. PRESENT H. CERTAIN	OPENINGS IN ENCLOSURES, IN CONDUITS, BOXES, CABINETS, AND PANELS SHALL BE CAPPED. PAINTED CONSTRUCTION WHICH IS MARRED SHALL BE REPAIRED SAME AS NEW CONSTRUCTION. ABBREVIATIONS OR SYMBOLS, WHEN APPLIED TO PRESENT (TO EXISTING) LINE, DEVICE OR NT, SHALL HAVE THE FOLLOWING MEANINGS.	<u>NOTES:</u>	ELECTRICAL OUTLET BOXES INSTALI SHALL COMPLY WITH LATEST IBC, SE
NC NC	NEW CONNECTIONS TO PRESENT PIPING, DEVICE WIRING, EQUIPMENT, ETC. INSTALL, TEST, COVER, PAINT, ETC., SAME AS NEW WORK.		ELECTRICAL ABBREVIAT
P PX PXR	TO REMAIN UNCHANGED, IF CHANGE CANNOT BE AVOIDED DUE TO CONTRACTOR CONVENIENCE CHANGE "P" TO PXR, AT NO INCREASE IN CONTRACT PRICE. TO BE COMPLETELY REMOVED, INCLUDING UNNEEDED CONNECTIONS, PIPING, DUCTS, WIRING, BASES, ETC., OF EVERY KIND. UNUSED OPENINGS PLUGGED OR CAPPED, TESTED, COVERED, PAINTED SAME AS NEW WORK. OTHER DISTURBED WORK OF EVERY KIND RESTORED, PATCHED, TESTED, COVERED, PAINTED, ETC., TO EQUAL ORIGINAL CONDITION. REMOVED MATERIAL MUST NOT BE REUSED UNLESS OTHERWISE SPECIFIED OR DIRECTED BY ENGINEER. SAME AS "PX", EXCEPT REMOVED, CLEANED AND RESTORED TO GOOD OPERATING CONDITION AND REINSTALLED, SAME AS NEW WORK, IN ORIGINAL OR REVISED POSITION. IF RECONDITIONING IS IMPRACTICAL, PROVIDE NEW DEVICE, AS APPROVED BY ENGINEER, AT NO INCREASE IN CONTRACT PRICE.	AC AFF ASC C CTC CTF CTW E FBO FFA FFB FLA GFI	ABOVE COUNTER ABOVE FINISHED FLOOR ABOVE SUSPENDED CEILING CONDUIT CLOSE TO CEILING CLOSE TO FLOOR CLOSE TO WALL EMERGENCY FURNISHED BY OTHERS FROM FLOOR ABOVE FROM FLOOR BELOW FULL LOAD AMPS GROUND FAULT INTERRUPTER
<u>PX-DO</u>	SAME AS "PX", EXCEPT REMOVED, CLEANED AND RESTORED INTACT, AS FAR AS PRACTICAL, MATCHED MARKED, AND OTHERWISE IDENTIFIED AS REQUIRED AND DELIVERED AS INDICATED AND DIRECTED BY RRWRD OPERATIONS.	HP IWS JB KW	HORSEPOWER IN WALL SPACE JUNCTION BOX KILOWATTS
PN ETC.	COMPLETELY REINSTALL DEVICE, LINE OR EQUIPMENT REMOVED, AT NEW LOCATION, SAME, AS NEW WORK.		
1. ELEC DUR 2. SPEC	SHALL BE COORDINATED WITH ALL OTHER WORK AND PRESENT CONDITIONS, SO THAT: CTRICAL SERVICES TO PRESENT BUILDINGS OR PORTIONS OF BUILDING WILL NOT BE INTERRUPTED ING PERIODS WHEN THOSE SERVICES ARE NEEDED. CIAL SYSTEMS SUCH AS FIRE ALARM, SOUND, ETC., OF EVERY KIND TO PRESENT BUILDINGS WILL BE INTERRUPTED DURING WORKING AND/OR OCCUPIED HOURS, EXCEPT AS APPROVED BY	FACP	FIRE ALARM SYSTEM SYN
RRW	/RD (WARREN ADAM (815) 871-0787). DNDUIT SERVING NEW AND/OR PRESENT ELECTRICAL DEVICES IN FINISHED PRESENT ROOMS OR		
SPACE UNFINI FINISHI	S SHALL BE CONCEALED IN FINISHED ROOMS, WHERE POSSIBLE OR SHALL BE RUN IN ADJOINING SHED ROOMS, SHAFTS, CHAMBERS, ETC., WHERE EXPOSED CONDUIT IS PERMITTED IN ED PRESENT ROOMS BY OWNER IN WRITING, IT SHALL BE WIREMOLD, WITH MATCHING BOXES, ICONSPICUOUSLY AS POSSIBLE, IN STRAIGHT LINES, PARALLEL TO WALLS AND CEILINGS, WITH	F A	FIRE ALARM SYSTEM WIRING IN CON FIRE ALARM SYSTEM EXPLOSION PRO AND HORN WALL MOUNTED DEVICE.
NEAT E PATCH DISPOS	BENDS, UNNEEDED BOXES, SWITCHES AND WIRING SHALL BE COMPLETELY REMOVED AND OPENINGS ED. PRESENT FIXTURES, BOXES, WIRING, SWITCHES, ETC. SHALL BE REMOVED AS NOTED UNLESS ANOTHER SITION IS SHOWN ON DRAWINGS. WHERE SPECIFICALLY APPROVED BY RRWRD OPERATIONS IN WRITING, MAY BE PERMITTED TO REMAIN AND BE PROVIDED WITH NEAT FLUSH COVERS, EXTENDING OVER ENTIRE	<b>€</b> BD	FIRE ALARM SYSTEM EXPLOSION PRO DEVICE. COORDINATE MOUNTING HE
WALL C	DED ELECTRICAL EXTURES SWITCHES STARTERS DEVICES ETC. SHALL BE COMPLETELY REMOVED	F	FIRE ALARM SYSTEM EXPLOSION PRO DEVICE MEETING ALL NFPA AND A.D., REQUIREMENTS, (MOUNT WITHIN 5'.0

J. UNNEEDED ELECTRICAL FIXTURES, SWITCHES, STARTERS, DEVICES, ETC., SHALL BE COMPLETELY REMOVED; AND CONSTRUCTION PATCHED. NEW CONNECTIONS TO PRESENT EQUIPMENT, SHALL BE MADE, TESTED, COVERED, PAINTED, ETC., SAME AS NEW EQUIPMENT. PRESENT EQUIPMENT, AND OTHER COVERING DISTURBED BY CONTRACTOR SHALL BE REPAIRED TO EQUAL NEW CONDITION AND PAINTED SAME AS NEW COVERING.

K. WHERE DEVICES ARE OMITTED FROM PRESENT BRANCH CIRCUITS, THE REMAINING DEVICES, ON THE SAME CIRCUIT AND/OR CONDUIT RUN, SHALL BE REWIRED, IF NEEDED AND AS REQUIRED, TO REMAIN ON THEIR RESPECTIVE CIRCUITS AND IN OPERATING CONDITION.

# GENERAL NOTES APPLY TO ALL SHEETS:

SEE DETAILS AND SCHEDULES ON DRAWINGS AND SPECIFICATIONS FOR MEANING OF ABBREVIATIONS AND ADDITIONAL REQUIREMENTS AND INFORMATION. CHECK ARCHITECTURAL, STRUCTURAL, AND OTHER MECHANICAL AND ELECTRICAL DRAWINGS FOR SCALE, SPACE LIMITATIONS, BEAMS, DOOR SWINGS, WINDOWS, COORDINATION, ADDITIONAL INFORMATION, ETC. AND REPORT ANY DESCREPANCIES, CONFLICTS, ETC. TO RRWRD OPERATIONS PRIOR TO SUBMITTING BID.

ALL EQUIPMENT FURNISHED BY OTHERS (FBO) SHALL BE PROVIDED WITH PROPER MOTOR STARTERS, DISCONNECTS, CONTROLS, ETC. UNLESS SPECIFICALLY NOTED OTHERWISE. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND COMPLETELY WIRE ALL ASSOCIATED EQUIPMENT IN ACCORDANCE WITH THE MANUFACTURER'S WIRING DIAGRAMS AND AS REQUIRED FOR A COMPLETE OPERATING INSTALLATION. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF (FBO) EQUIPMENT PRIOR TO ROUGH-IN OF CONDUIT AND WIRING TO AVOID CONFLICTS.

CONTRACTOR SHALL VERIFY FINAL LOCATIONS AND CEILING TYPES FOR ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL REFLECTED CEILING PLAN AND ALL TRADES BEFORE ORDERING OR ROUGH-IN OF EQUIPMENT TO AVOID CONFLICTS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING, INCLUDING CORE DRILLING, SAW CUTTING, ETC., AS REQUIRED TO ACCOMMODATE HIS WORK. CUTTING AND PATCHING AND PAYMENT OF SAID WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR REQUIRING THE DISTURBANCE BUT SAME SHALL BE DONE BY A GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE APPROPRIATE ELECTRICAL CONTRACTOR TO GIVE QUANTITIES OF PATCHING REQUIREMENTS TO A GENERAL CONTRACTOR.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF PRESENT CEILINGS, LIGHT FIXTURES, DIFFUSERS, DUCTWORK, PIPING, CONDUIT, ETC., AS REQUIRED FOR THE INSTALLATION OF HIS WORK. REMOVAL, REPLACEMENT AND PAYMENT FOR MECHANICAL/PLUMBING ITEMS SHALL BE THE RESPONSIBILITY OF THE APPLICABLE ELECTRICAL CONTRACTOR. REMOVAL AND REPLACEMENT OF PRESENT CEILINGS, ETC., SHALL BE THE RESPONSIBILITY OF CONTRACTOR MAKING THE DISTURBANCE BUT SAME SHALL BE DONE BY A GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE APPROPRIATE ELECTRICAL CONT``RACTOR TO GIVE QUANTITIES OF REMOVAL/REPLACEMENT REQUIREMENTS TO A GENERAL CONTRACTOR.

# CONTRACTOR TO WIRE.

# GENERAL DEMOLITION NOTE:

AND FEES.

(TYPICAL).

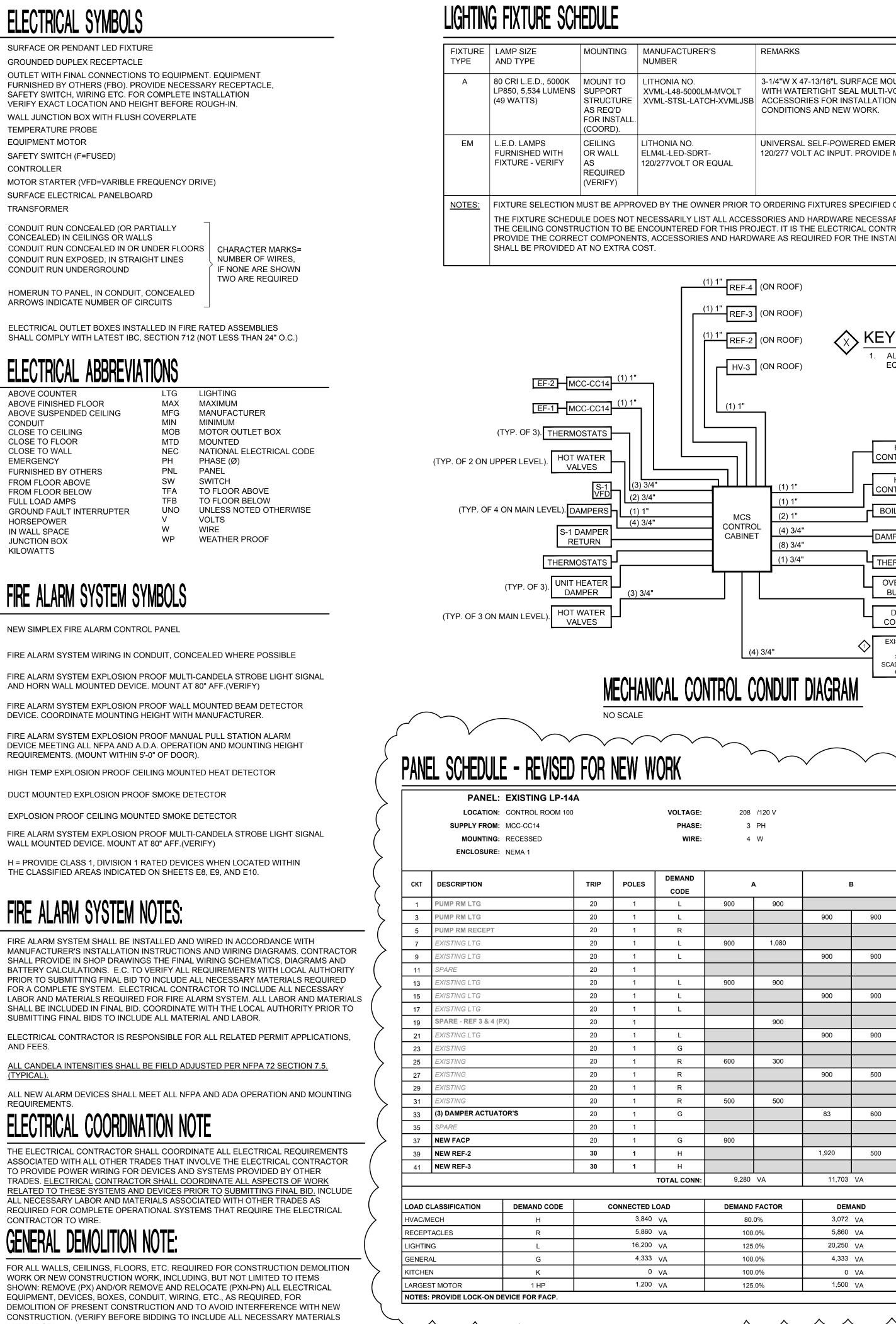
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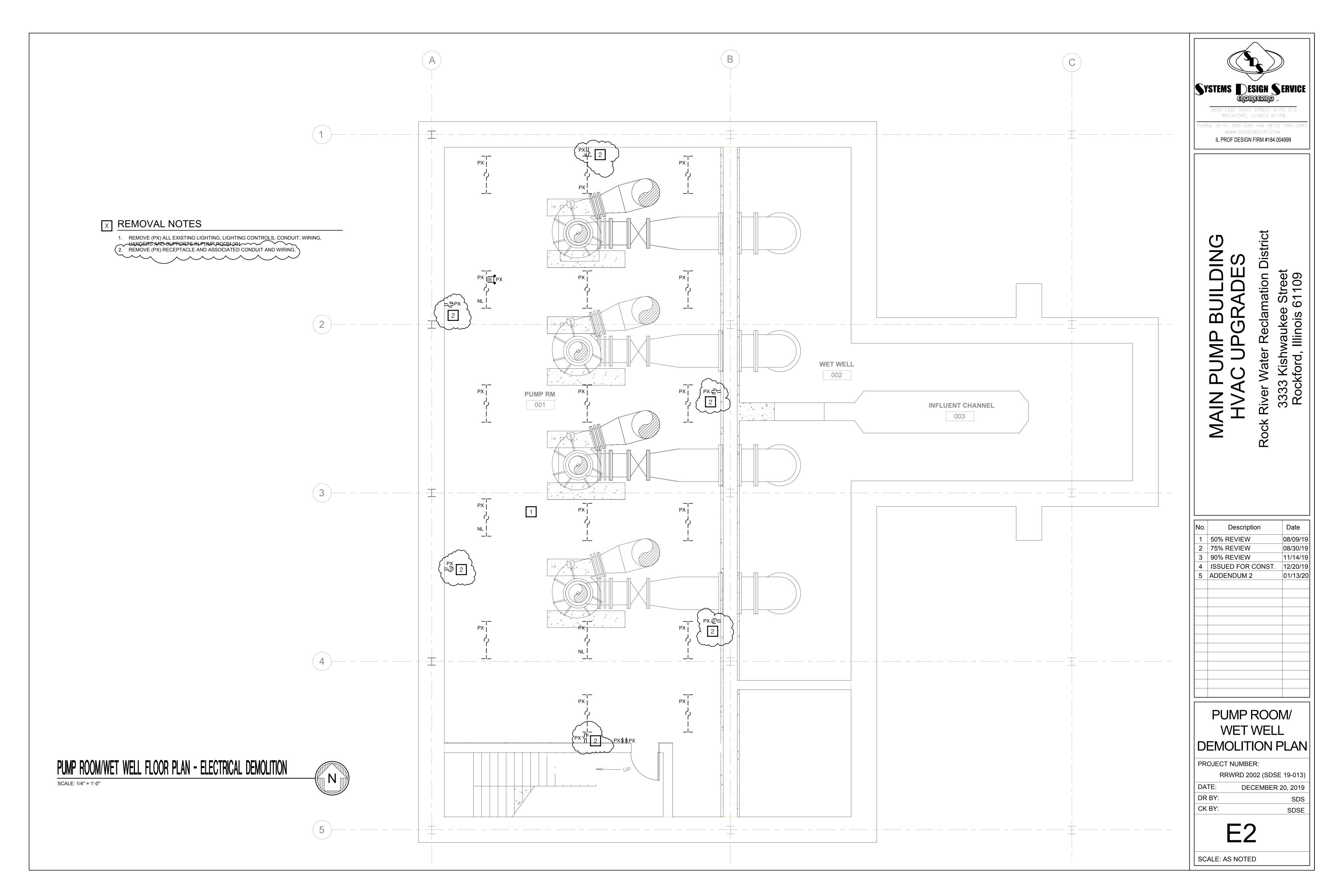
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AND LABOR).



PUNTED, FULLY GASKETED, LED FIXTURE WITH POLYCARB LENS OLT LED DRIVER. PROVIDE ALL REQUIRED MOUNTING N. FIELD COORDINATE EXACT PLACEMENT WITH EXISTING RGENCY LIGHT UNIT WITH SELF-DIAGNOSTIC FEATURE AND MOUNTING HARDWARE AS REQUIRED FOR INSTALLATION.								Systems   Design Service     Secondering   L     3600   EAST STATE STREET SUITE 215     ROCKFORD, ILLINOIS 61108     PHONE (815)   399–3381 FAX (815)     PHONE (815)   399–3381 FAX (815)     ROCKFORD, ILLINOIS 61108     Construction     Reversion     Reversion </th			
RY RA	ON THIS SCHEDULE. RY FOR THE COMPLETION OF INSTALLATION, NOR DOES IT DETAIL RACTORS RESPONSIBILITY TO PROPERLY DETERMINE AND LLATION. ALL ADDITIONAL HARDWARE FOR MOUNTING FIXTURES										
<b>NOTES</b> LL FINAL CONTROL WIRE TERMINATIONS TO QUIPMNT SHALL BE COMPLETED BY THE OWNER.									ILDING NDES	ation District Street 31109	
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### **REMOVAL NOTES**

1. REMOVE (PX) 4'-0" LINEAR LIGHTING, ASSOCIATED CONTROLS, CONDUITS, WIRING, HANGERS AND SUPPORTS AS REQUIRED FOR NEW WORK. 2. REMOVE (PX) 4'-0" LINEAR LIGHTING AND CONTROLS. CONDUIT, WIRING, HANGERS,

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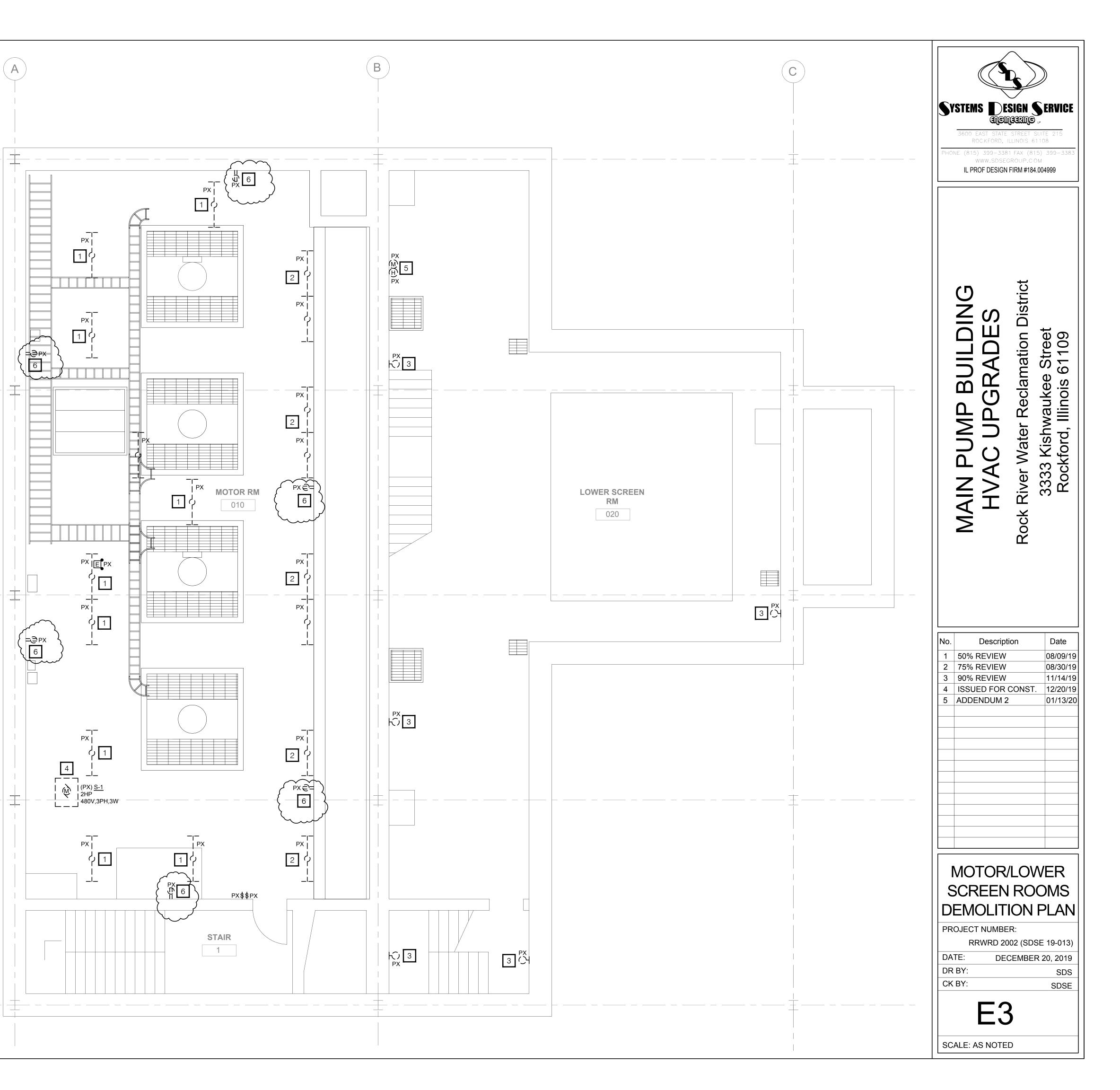
- AND SUPPORTS SHALL REMAIN. REMOVE AND REPLACE WIRING IF IT'S FED THROUGH EACH FIXTURE. 3. REMOVE (PX) GAS DETECTION WARNING LIGHT FIXTURE, CONDUIT TO REMAIN FOR
- NEW FIXTURE INSTALLATION. 4. REMOVE (PX) MOTOR AND WIRING FOR S-1.
- 5. REMOVE (PX) GAS DETECTION SYSTEM, REMOVE ALL WIRING. CONDUIT TO REUSED,
- EXTEND/MODIFY AS REQUIRED FOR NEW SYSTEM REMOVE (PX) RECEPTACLE AND ASSOCIATED CONDUIT AND WIRING.

# MOTOR ROOM/LOWER SCREEN ROOMS FLOOR PLAN - ELECTRICAL DEMOLITION



SCALE: 1/4" = 1'-0"

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 ELECTRICAL CONTRACTOR SHALL INSTALL AND WIRE NEW LED LIGHT FIXTURES TO PRESENT BRANCH CIRCUIT <u>"LP-14A"-1,3</u> (FIELD VERIFY) CURRENTLY SERVING FIXTURES BEING REPLACED IN PUMP ROOM 001. INCLUDE NEW RIGID CONDUIT, WIRING, STAINLESS STEEL HANGERS AND SUPPORTS. PROVIDE NEW, HEAVY DUTY, INDUSTRIAL TYPE WALL TOGGLE SWITCHES.
INSTALL AND WIRE RECEPTACLE TO PRESENT BRANCH CIRCUIT <u>"LP-14A"-5</u> (FIELD VERIFY) CURRENTLY SERVING RECEPTACLES BEING REPLACED. INCLUDE NEW RIGID CONDUIT AND WIRING.

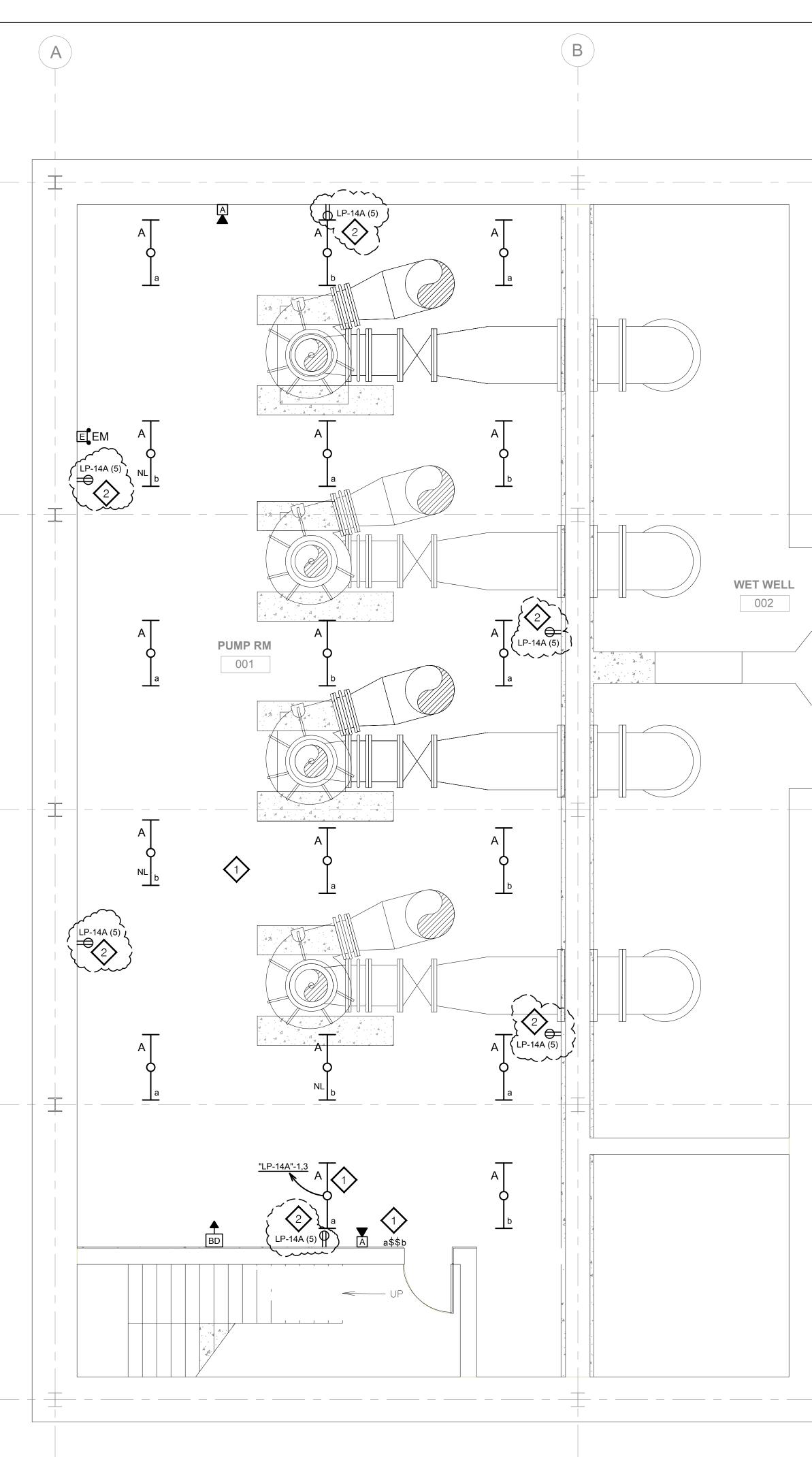


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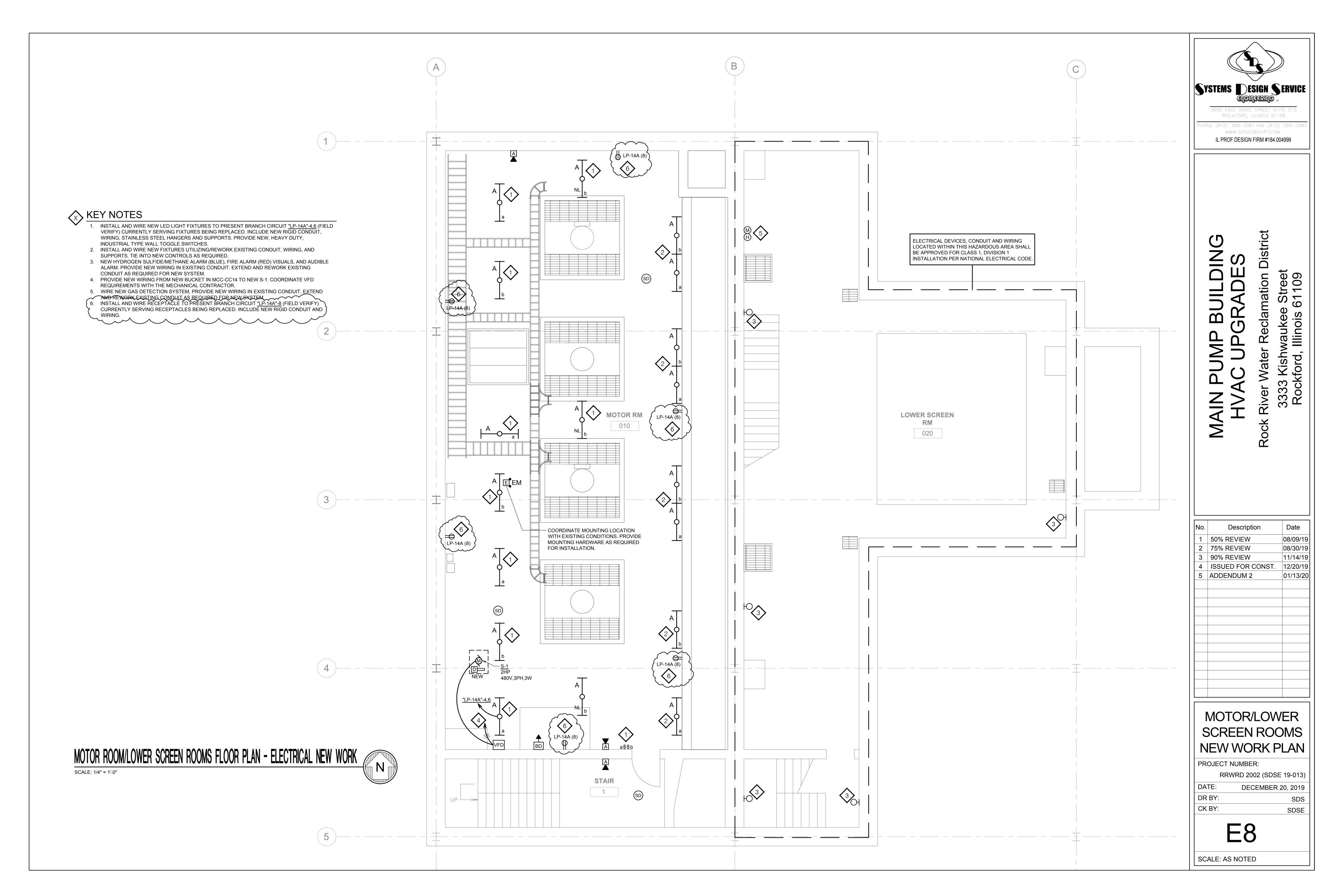
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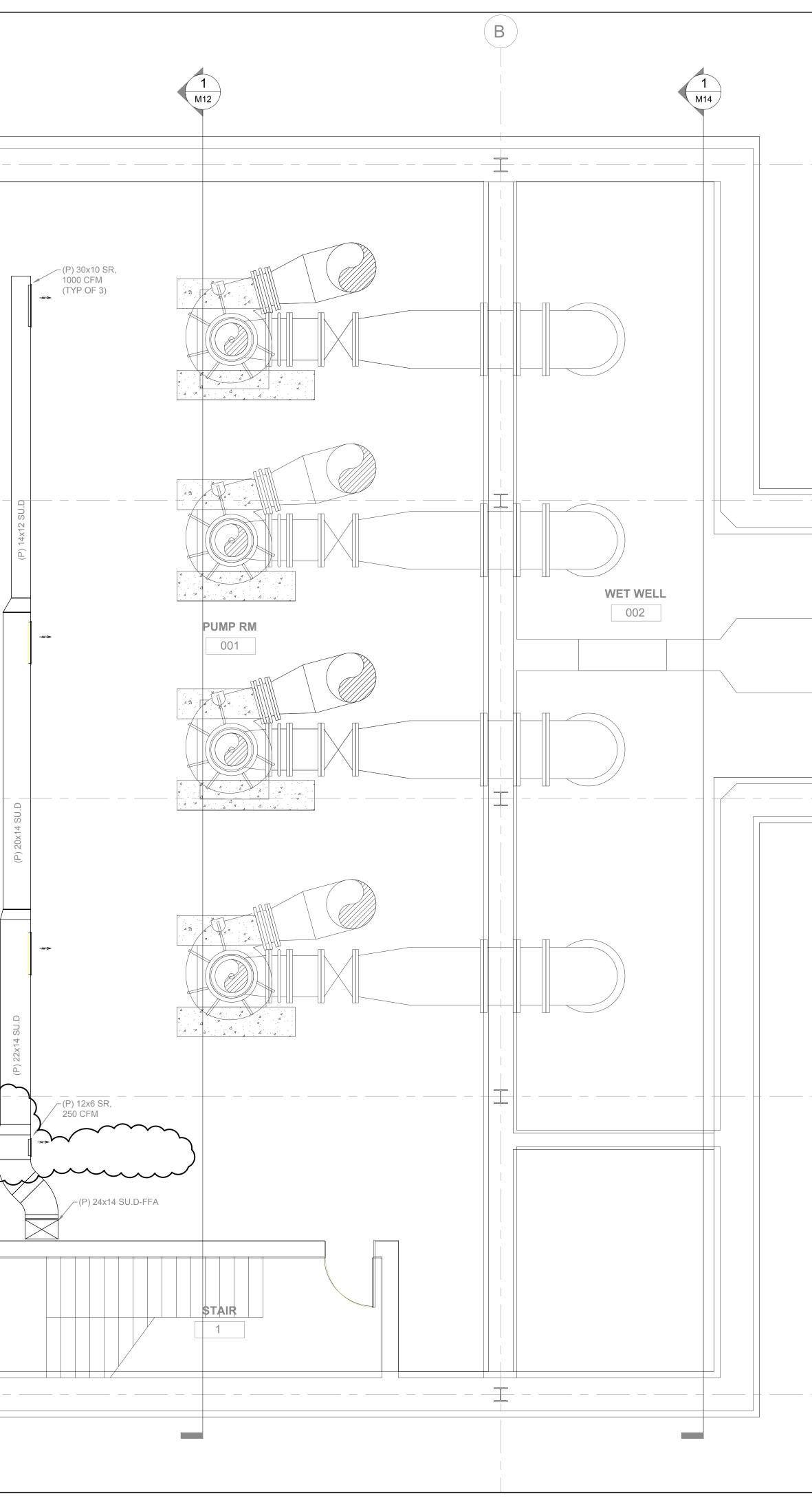
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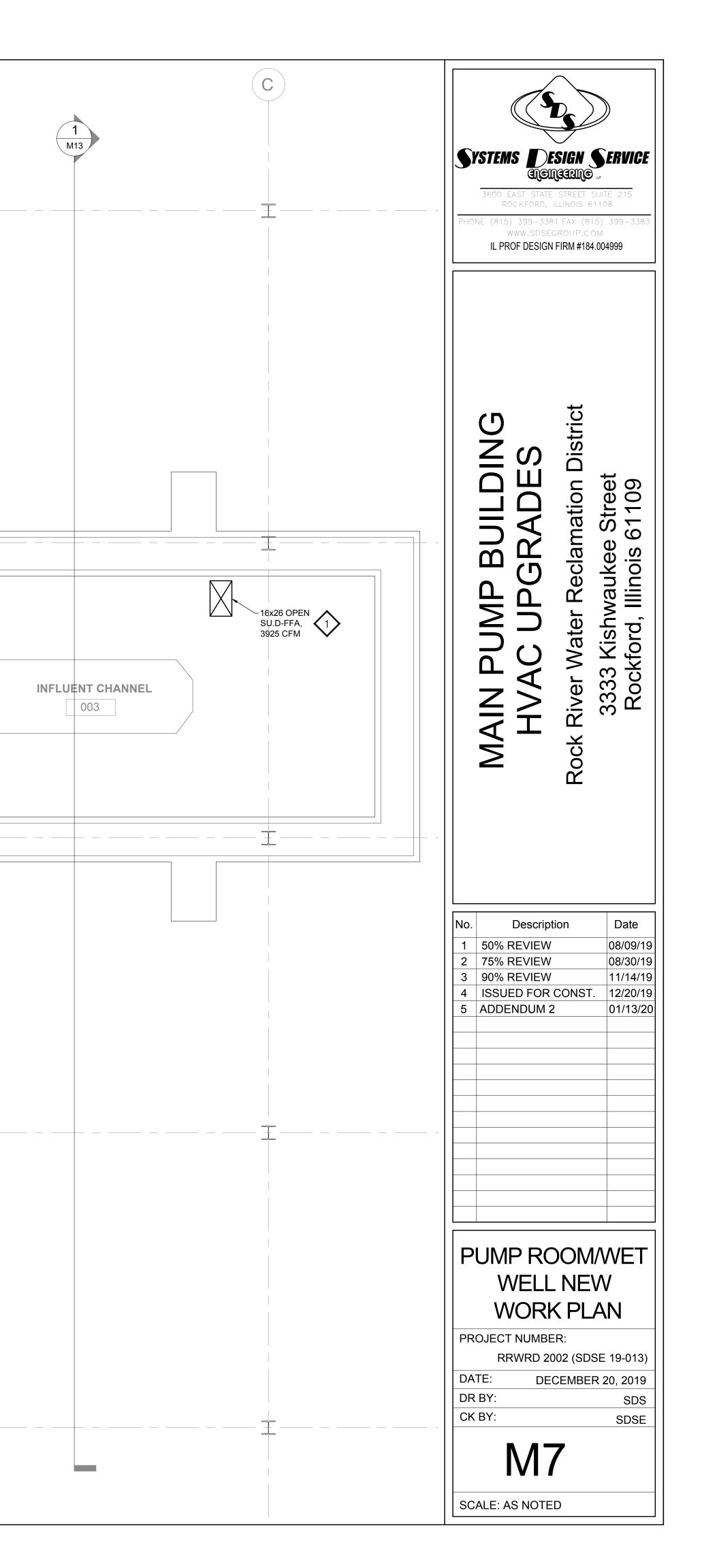


	SYSTEMS DESIGN SERVICE GOO EAST STATE STREET SUITE 215 ROCKFORD, ILLINOIS 61108 PHONE (815) 399–3381 FAX (815) 399–3383 WWW.SDSEGROUP.COM IL PROF DESIGN FIRM #184.004999
INFLUENT CHANNEL	MAIN PUMP BUILDING HVAC UPGRADES Rock River Water Reclamation District 3333 Kishwaukee Street Rockford, Illinois 61109
	No.     Description     Date       1     50% REVIEW     08/09/19       2     75% REVIEW     08/30/19       3     90% REVIEW     11/14/19       4     ISSUED FOR CONST.     12/20/19       5     ADDENDUM 2     01/13/20
	PUMP ROOM/ WET WELL NEW WORK PLAN PROJECT NUMBER: RRWRD 2002 (SDSE 19-013) DATE: DECEMBER 20, 2019 DR BY: SDSE CK BY: SDSE CK BY: SDSE



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PORTS, REGISTERS, AND FICATION 23 31 16 "NON METAL	
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ICAL NEW WORK	
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 NEW DUCTWORK SHALL BE FRP, NEW DUCTWORK HANGERS/SUPPORTS, REGISTERS, AND ACCESSORIES SHALL BE TYPE 316 STAINLESS STEEL, SEE SPECIFICATION 23 31 16 "NON METAL DUCTS".

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(P) 26x24 SU.D-FFA

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- 2. NEW METHANE AND HYDROGEN SULFIDE WALL SENSORS TO BE WIRED TO CONTROL PANEL IN OFFICE 101. CUT AND PATCH WALL TO MATCH EXISTING AS REQUIRED FOR INSTALLATION.
- 3. USE EXISTING OPENING IN FLOOR TO INFLUENT CHANNEL, SEAL DUCT PENETRATION.
- 4. NEW HYDROGEN SULFIDE/METHANE/LEL ALARM CONDITION (BLUE) AND FIRE ALARM CONDITION (RED) VISUALS AND AUDIBLE ALARM. USE EXISTING VISUAL LOCATION, VERIFY EXACT LOCATION IN FIELD. CUT AND PATCH WALL TO MATCH EXISTING AS REQUIRED FOR INSTALLATION.
- 5. NEW DUCTWORK SHALL BE SUPPORTED FROM STRUCTURE.
- 6. TEMPERATURE SENSOR TO BE LOCATED AT CEILING.
- 7. NEW EXHAUST DUCTWORK TO BE CLEAR OF WET WELL ACCESS DOOR IN FLOOR, VERIFY IN FIELD.

## MOTOR ROOM/LOWER SCREEN ROOM FLOOR PLAN - MECHANICAL NEW WORK SCALE: 1/4" = 1'-0"

